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APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,218	08/07/2001		Tsuen-Hsi Liu	06618-816002	3423
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SCOTT C. HARRIS Fish & Richardson P.C. Suite 500				EXAMINER	
				HUBER, PAUL W	
4350 La Jolla Village Drive San Diego, CA 92122				ART UNIT	PAPER NUMBER
				2651	

Please find below and/or attached an Office communication concerning this application or proceeding.

( S)



## Office Action Summary

Application No. 09/924,218

Applican

Liu et al.

Examiner

Paul W. Huber

Art Unit 265



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). 1) Responsive to communication(s) filed on \_\_\_\_\_\_ 2b) X This action is non-final. 2a) This action is FINAL. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims is/are pending in the application. 4) 💢 Claim(s) 1 4a) Of the above, claim(s) \_\_\_\_\_\_ is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) X Claim(s) 1 is/are rejected. is/are objected to. 7) Claim(s) are subject to restriction and/or election requirement. 8) L Claims **Application Papers** 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are objected to by the Examiner. 11) ☐ The proposed drawing correction filed on \_\_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved. 12)  $\square$  The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). a) All b) Some\* c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \*See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e). Attachment(s) 18) Interview Summery (PTO-413) Paper No(s). 15) Notice of References Cited (PTO-892) 16) Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) Notice of Informal Patent Application (PTO-152) 17) X Information Disclosure Statement(s) (PTO-1449) Paper No(s). 2 20) Other:

Application/Control Number: 09/924,218

Art Unit: 2651

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Bjorklund et al. (USP-4,458,345).

Bjorklund et al. discloses an apparatus/method for recording a volume holographic image onto a disk-shaped optical storage medium. The volume holographic image is the interference "grating" pattern which is created within the disk medium from the object beam #1 and the reference beam #2. These beams, and the optical system which guide these beams to the disk medium, constitute the electro-optical head which is capable of creating holographic gratings at a plurality of locations along a planar surface of the disk. In addition, the focus spot of reference beam #2 can be repositioned to create holographic gratings at a plurality of locations along the optical axis of the object beam #1, i.e., at different depths within the disk medium. Thus, by recording holographic gratings, binary data can be recorded upon the medium whereas the presence of a grating represents one binary digit and the absence of the grating represents the

Art Unit: 2651

other binary digit. During reproduction of the binary data, a shutter blocks the reference beam #2

and detection photo detectors read the binary data from the reflected light of object beam #1.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Takeda et al. (USP-

4,021,606).

Takeda et al. discloses an apparatus/method for recording a volume holographic image

onto a disk-shaped optical storage medium. The volume holographic image is the interference

"grating" pattern which is created within the disk medium from the focused object beam 25 and

the plane-wave reference beam 25'. These beams, and the optical system which guide these beams

to the disk medium, constitute the electro-optical head which is capable of creating holographic

gratings at a plurality of locations along a planar surface of the disk. By recording holographic

gratings, binary data can be recorded upon the medium whereas the presence of a grating

represents one binary digit and the absence of the grating represents the other binary digit.

Any inquiry concerning this communication should be directed to Paul W. Huber at

telephone number (703) 308-1549.

PAUL W. HUBER

pwh

December 12, 2001